

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007**SUNDRY NOTICES AND REPORTS ON WELLS****Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.****SUBMIT IN TRIPLICATE - Other instructions on reverse side.**1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator
ConocoPhillips Company3a. Address
5525 Highway 64 Farmington NM 874013b. Phone No. (include area code)
(505) 599-34194. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2430 South 2240 West
UL: K, Sec: 18, T: 28N, R: 7W

5. Lease Serial No.

NMSF078497A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

San Juan 28-7 Unit 199G

9. API Well No.

30-039-27004

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

Rio Arriba

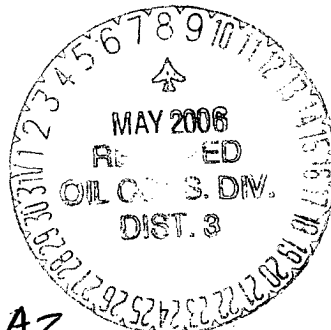
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other DHC
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

ConocoPhillips proposes to recompleate this well to Blanco Mesaverde and downhole commingle with the existing Basin Dakota. Attached is our procedure and a copy of the OCD DHC application.

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

2006 MAY 2 PM 4 34
RECEIVED
070 FARMINGTON NM

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Juanita Farrell

Title Regulatory Analyst

Signature

Date 04/27/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

PER ENGR

Date

5-4-06

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

BLM- FFO-

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOCD



'Our work is never so urgent or important that we cannot take time to do it safely.'

San Juan Workover Procedure San Juan 28-7 Unit #199G

Objective : Add MV perforation in the existing well, stimulate and DHC with the existing Dakota completion. We will also run slim hole collars below the MV perms to prevent future annular bridging in the small 4 1/2" casing.

WELL DATA

API #: 300-392-700400

Location: 28N-7W-18K

Lat: 36°39' 38.2716"N **Long:** 107° 36' 54.5112" W 2430' FSL 2240' FWL

Elevation: 6886' GLM 6899' KBM

TD: 8024'

PBTD: 8021'

Perforations: Dakota: 7792'-7992' CURRENT ZONE

Proposed Mesa Verde Pay Add

CLIFFHOUSE:	5124' – 5136'	5156' – 5162'
	5170' – 5176'	5178' – 5182'
	5184' – 5187'	5208' – 5214'
	5222' – 5264	
MENEFEE:	5722' – 5732'	
POINT LOOKOUT:	5736' – 5766'	5782' – 5791'
	5806' – 5810'	

Existing Casing, Tubing and Packer Information

	OD (in)	Depth (ft)	Joints	ID/Drift (inches)	Weight (#/ft)	Grade	Capacity (bbls/ft)	Burst (psi)	Collapse (psi)	Cmt top
Surface	9 5/8	241	5	8.920 / 8.765	36	J-55	0.0773	3520	2020	surf
Intermediate	7	3802	88		20	J-55	0.0404	3740	2270	surf
Production	4 ½	7538	175	4.052/3.927	10.50	J-55	0.0159	4790	4010	2185 CBL
Production	4 ½	7348	1 Mkr Jt	4.052/3.927	10.50	J-55	0.0159	4790	4010	
Production	4 ½	8024	11	4.052/3.927	10.50	J-55	0.0159	4790	4010	
Tubing	2 3/8	7921	250	1,995/1.901	4.7	J-55	0.00387	7699	8100	-
	2 3/8" tubing bottom to top : Mule shoe sub & pump seating nipple on bottom (size not shown)									
Packer Setting: N/A										

PROCEDURE:

1. Notify operator (Malcolm Cox 505-486-5453) of plans to move on the well.
2. Test anchors prior to moving on location. Last known date of rig work: October 2002.
3. Prior to moving in the rig, have WL retrieve the plunger and bottom spring. Set plug to prevent any other releases up the tubing while pulling the tubing.
4. Ensure that well is shut in, energy isolated, locked and tagged out; Cathodic protection disconnected. Record SI tbq; SI csg; Braidenhead pressures in the daily reports.
5. Hold pre-job Safety Meeting.
6. MI & RU WO rig.
7. If necessary, kill well w/ 2% KCL water (contingent on Category designation of well; refer to COPC well control manual). ND wellhead and NU BOPE. (refer to COPC well control manual, Sec 6.13). This well is a class 2, category 1 well.
8. Install BPV.
9. ND wellhead and NU BOPE. (refer to COPC well control manual)
10. Remove BPV.
11. Tag with tubing before pulling out of the hole to check for fill. POOH with tubing.
12. RIH and set FasDrill plug to isolate the Dakota zone at 6000'.
13. Load well with 2% KCL fluid.
14. Rig up Wellhead Isolation tool if needed. (check tree & well head MAXIMUM PRESSURE RATING)
15. Pressure test casing and plug to 4300 psi.

Next several steps to be done rigless, if necessary.

16. Remove the Wellhead Isolation Tool.

Bolded steps to be detailed by the Completion Engineers Procedure.

- 17. Perforate selective intervals of the Mesa Verde.**

- 18. Fracture stimulate as detailed by the completion engineer's procedure.**

19. Flow back after stimulating to clean up any sand and completion fluid.
20. After cleanup and stabilized flow is observed, obtain a 4 hour flow test through ½" choke for regulatory purposes. Submit C-104 form to Tom Johnson & Debbie Marberry upon completion.
21. RIH with tubing and drill out the plug at 6000' and clean out to PBTD as needed. Trip for completion tubing.
22. Run tubing with slim hole collars to be placed below the top of MV perms (5124' to top of the DK perms at 7792'). Run 1.81" F nipple, and expendable check and mule shoe assembly on bottom.
23. Drift tubing slowly with a 1.901"x24" diameter drift bar, replicating a plunger run. This well is to be operated with plunger lift and it is imperative to have good tubing drift.

24. Rig up air unit and clean out if necessary.
25. Pull tubing up to 7792' +/- and land.
26. Pump out expendable check and unload the well.
27. Install BPV.
28. NDBOPE and NUWH.
29. Remove BPV.
30. RD MO rig.
31. Turn well over to production. Notify operator when well work is completed.
32. Notify cathodic protection personnel after job is complete so cathodic protection equipment can be re-activated.

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-039-27004
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator ConocoPhillips Company		6. State Oil & Gas Lease No.
3. Address of Operator 5525 Highway 64 Farmington, NM 87401		7. Lease Name or Unit Agreement Name San Juan 28-7 Unit
4. Well Location Unit Letter K : 2430 feet from the South line and 2240 feet from the West line Section 18 Township 28N Range 7W NMPM County Rio Arriba		8. Well Number 199G
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6886'		9. OGRID Number 217817
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>		
Pit type Depth to Groundwater Distance from nearest fresh water well Distance from nearest surface water		
Pit Liner Thickness: mil Below-Grade Tank: Volume bbls; Construction Material		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: DHC

☒

OTHER:

☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

In reference to Order #R-11363 ConocoPhillips proposes to downhole commingle in the Basin Dakota and Blanco Mesaverde.

Perforations are:

Blanco Mesaverde 5124'-5810' (proposed)

Basin Dakota 7792'-7992'

Allocation will be by test.

Commingle in this well will not reduce the value of the remaining production.

BLM has been notified of our intent.

In reference to R10476B, interest owners were not notified.

DHC 2248 HZ

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

Juanita Farrell

TITLE Regulatory Analyst

DATE 04/27/2006

Type or print name Juanita Farrell

For State Use Only

E-mail address: juanita.r.farrell@conocophillips Telephone No. (505) 599-3419

DEPUTY OIL & GAS INSPECTOR, DIST. 4

MAY 08 2006

APPROVED BY:

[Signature]

TITLE

DATE

Conditions of Approval (if any):

1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

'API Number 30-039-27004		'Pool Code 72319	'Pool Name Blanco Mesaverde	
'Property Code 31739	'Property Name San Juan 28-7 Unit			'Well Number 199G
'OGRID No. 217817	'Operator Name ConocoPhillips Company			'Elevation 6886'

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	18	28N	7W		2430	South	2240	West	Rio Arriba

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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<p>16</p>				<p>17 OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p><i>Juanita Farrell</i> Signature</p> <p>04/27/2006 Date</p> <p>Juanita Farrell Printed Name</p> <p>RECEIVED OIL & GAS FARMINGTON MAY 4 3 34 PM '06</p>
<p>2240'</p>	<p>2430'</p>			<p>18 SURVEYOR CERTIFICATION</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p>Certificate Number</p>

BLM CONDITIONS OF APPROVAL FOR RECOMPLETION

The following conditions of approval will apply to this well unless a particular Surface Managing Agency or private surface owner has supplied to BLM and the operator a contradictory environmental stipulation. The failure of the operator to comply with these requirements may result in the assessment of liquidated damages or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on the location during construction, drilling and reclamation activity.

An agreement between operator and fee land owner will take precedence over BLM surface stipulations unless (In reference to 43 CFR Part 3160) 1) BLM determines that the operator's actions will affect adjacent Federal or Indian surface, or 2) the operator does not maintain well area and lease premises in a workmanlike manner with due regard for safety, conservation and appearance, or 3) no such agreement exists, or 4) in the event of well abandonment, minimal Federal restoration requirements will be required.

Special Stipulations:

** The operator and his contractor will contact the BLM Farmington Field Office, Environmental Protection Staff (Bill Liess) to set up a pre-work meeting on any rehab or seeding done on this location at (505) 599-6321, approximately 48 hours **prior to any work being done.**

**** Reserve pits will be closed and rehabed 90 days after recompletion. All pits used in recompletion remaining open after the 90 days will need written authorization from the Authorized Officer. This requirement is addressed in the General Requirements of Onshore Order # 7.**

** Pits will be lined with an impervious material at least 12 mils thick. Prior to closing the pit, the liner will be cut off at mud level. The excess liner will be hauled to a licensed disposal area.

** Diversion ditch(es) will be reconstructed if damaged by recompletion work.

** If the cut and fill slopes of the well pad are used or damaged by completion work then the cut and fill slopes will be brought back to the original contour of the location before work was accomplished.

** All above ground structures shall be painted to blend with the natural color of the landscape and will remain the same color as was previously stipulated in the APD

** All disturbance will be seeded after the pit is closed with the appropriate seed mixture.

SEED MIX : SPECIAL: > 10 inches of precipitation

Fourwing Saltbush (<i>Atriplex canescens</i>).....	1.0 lbs.
Indian Ricegrass (<i>Oryzopsis hymenoides</i>).....	1.0 lbs.
Western Wheatgrass (<i>Agropyron smithii</i>).....	2.0 lbs.
Blue Grama (Hatcheta or Alma).....	0.25 lbs.

Small Burnet (Delar)	1.0 lbs.
Pubescent Wheatgrass	2.0 lbs.
Intermediate Wheatgrass	2.0 lbs.
Smooth Brome	2.0 lbs.
Antelope Bitterbrush	0.10 lbs.

I. LOCATION, ACCESS ROAD AND PIPELINE

1. Well area and lease premises will be maintained in a workmanlike manner with due regard to safety, conservation and appearance. All liquid waste, completion fluids and drilling products associated with oil and gas operations will be contained and then buried in place, or removed and deposited in an approved disposal site.

2. Surface disturbance and vehicular traffic will be limited to the approved location and approved access road.

3. Mud and blow pits will be constructed so as not to leak, break or allow discharge of liquids or produced solids. At least half of the capacity of the reserve pit must be in cut. The top of the outside wall of reserve pit should be smoothed-off with a minimum of one blade width. The pit should have adequate capacity to maintain 2 feet of free board. Pits are not to be located in natural drainages. Pit walls are to be "walked down" by a crawler type tractor following construction and prior to usage. Any plastic material used to line pits must be removed to below-ground level before pits are covered. The final grade of reserve pit (after reclamation) shall allow for drainage away from pit area.

4. All unguarded pits (reserve/production/blow pits) containing liquids will be fenced with woven wire. Drilling pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced. All fencing must be a legal fence in accordance with New Mexico State Law. Liquids in pits will be allowed to evaporate, or be properly disposed of, before pits are filled and recontoured. (This office will be notified 24 hours prior to fluid hauling). Under no circumstances will pits be cut and drained. Aeration of pit fluids must be confined within pit area. Upon completion of the well the reserve pit will be covered with screening or netting and remained covered until the pit is reclaimed. All production pits 16 feet in diameter or larger will be covered with screening or netting.

5. No gravel or other related minerals from new or existing pits on federal land will be used in construction of roads, well sites, etc., without prior approval from the Surface Managing Agency.

6. Berms or firewalls will be constructed around all storage facilities sufficient in size to contain the storage capacity of tanks, or the combined capacity of tanks if a rupture could drain more than one tank. Berm walls will be compacted with appropriate equipment to assure proper construction.

7. All roads on public land must be maintained in good passable condition.

8. The holder shall conduct all activities associated with the construction, operation, and termination of the right-of-way within the authorized limits of the right-of-way.

9. A copy of these stipulations, including exhibits and the Plan(s) of Operation (if required), shall be at the project area and available to persons directing equipment operation.

10. Disposal of all liquid and solid waste produced during operation of this right-of-way shall be in an approved manner so it will not impact the air, soil, water, vegetation or animals.

11. The holder shall not violate applicable air and water quality standards or related facility siting standards established by or pursuant to applicable Federal and State law.

12. Use of pesticides and herbicides shall comply with applicable federal/state laws. Pesticides and herbicides shall be used only in accordance with their registered uses and within limitations imposed by the Secretary of the Interior. Prior to the use of pesticides, holder shall obtain from the AO written approval of a plan showing the type and quantity of material to be used, pest(s) to be controlled, method of application, location of storage and disposal of containers, and any other information deemed necessary. Emergency use of pesticides shall be approved in writing by the AO prior to use.

13. The holder shall be responsible for weed control and selective control of invasive weeds on disturbed and reclaimed areas within the limits of the well pad, associated road and pipeline ROW. The holder is responsible for consultation with the AO and/or local authorities for acceptable weed control methods within limits imposed in the conditions of approval.

14. The holder shall minimize disturbance to existing fences and other improvements on public land. Holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be H-braced on both sides of the passageway prior to cutting the fence.

15. Construction sites shall be maintained in a sanitary condition at all times; waste materials at those sites shall be disposed of promptly at an appropriate waste disposal site. **Waste** means all discarded matter including, but not limited to, human waste, trash, garbage, refuse, oil drums, petroleum products, ashes and equipment.

16. The holder shall maintain the ROW in a safe, useable condition, as directed by the AO. (A regular maintenance program shall include, but is not limited to, soil stabilization.)

17. Unless otherwise approved in writing by the AO, this road will be designed and constructed to conform with the BLM, NM road construction/maintenance policy.

18. Public access along this road will not be restricted by the holder without specific written approval being granted by the AO. Gates or cattleguards on the public land will not be locked or closed to public use unless specifically determined by the AO.

19. Unless otherwise approved in writing by the AO, drainage dip location for grades over two (2) percent shall be determined by the formula:

$$\text{Spacing Interval} = \frac{400}{\text{road slope \%}} + 100'$$

Example: For a road with a four (4) percent slope.
Spacing Interval = $\frac{400}{4\%} + 100' = 200$ feet

20. Unless otherwise approved in writing by the AO, all turnout ditches shall be graded to drain water with a one (1) percent minimum to three (3) percent maximum ditch slope. The spacing interval for turnout ditches shall be determined according to the following table, but may be amended depending upon existing soil types and centerline road grade:

SPACING INTERVAL FOR TURNOUT DITCHES

<u>Percent Slope</u>	<u>Spacing Interval</u>
0 - 4%	150 - 350 feet
4 - 6%	125 - 250 feet
6 - 8%	100 - 200 feet
8 - 10%	75 - 150 feet

21. Maintain the road so that user traffic remains within right-of-way and erosion is mitigated. Roads and road segments where serious erosional damage is occurring will be handled on a case-by-case basis. "Flat blading" will be avoided. A exemption would be permitted where bedrock is exposed at the surface. Roads will be maintained so that over time a proper road prism and good drainage is achieved. Maintenance will include drainage dips, turnout ditches, crowning and/or out-sloping/in-sloping, low water crossings and vehicle turnouts. Cattleguards and culverts will be cleaned and repaired or replaced. Surfacing may be required.

22. Failure of the holder to share maintenance costs in dollars, equipment, materials or man-power proportionate to the holder's use with other authorized users may be adequate grounds to terminate right-of-way grant. The determination as to whether this has occurred and the decision to terminate shall rest with the AO. Upon request, the AO shall be provided with copies of any maintenance agreement entered into.

II. CULTURAL RESOURCES (ARCHAEOLOGY)

1. **Discovery of Cultural Resources in the Absence of Monitoring:** If, in its operations, operator/holder discovers any previously unidentified historic or prehistoric cultural resources, then work in the vicinity of the discovery will be suspended and the discovery promptly reported to BLM Field Manager. BLM will then specify what action is to be taken. If there is an approved "discovery plan" in place for the project, then the plan will be executed. In the absence of an approved plan, BLM will evaluate the significance of discovery and consult with the State Historic Preservation Officer in accordance with 36 CFR Section 800.11. Minor recordation, stabilization, or data recovery may be performed by BLM or a permitted cultural resources consultant. If warranted, more extensive treatment by a permitted cultural resources consultant may be required of the operator/holder prior to allowing the project to proceed. Further damage to significant cultural resources will not be allowed until any required treatment is completed. Failure to notify BLM about a discovery may result in civil or criminal penalties in accordance with the Archeological Resources Protection Act of 1979 (as amended).

2. **Discovery of Cultural Resources During Monitoring:** If monitoring confirms the presence of previously unidentified cultural resources, then work in the vicinity of the discovery

will be suspended and the monitor will promptly report the discovery to the BLM Field Manager. BLM will then specify what action is to be taken. If there is an approved "discovery plan" in place for the project, then the plan will be executed. In the absence of an approved plan, the BLM will evaluate the significance of the discovery and consult with the State Historic Preservation Officer in accordance with 36 CFR Section 800.11. Minor recordation, stabilization, or data recovery may be performed by BLM or a permitted cultural resources consultant. If warranted, more extensive treatment by a permitted cultural resources consultant may be required of the operator/holder prior to allowing the project to proceed. Further damage to significant cultural resources will not be allowed until any required treatment is completed.

3. **Damage to Sites:** If, in its operations, operator/holder damages, or is found to have damaged any previously documented or undocumented historic or prehistoric cultural resources, excluding "discoveries" as noted above, the operator/holder agrees at his/her expense to have a permitted cultural resources consultant prepare and have executed a BLM approved data recovery plan. Damage to cultural resources may result in civil or criminal penalties in accordance with the Archeological Resources Protection Act of 1979 (as amended).

III. **RESEEDING AND ABANDONMENT**

Species shall be planted in pounds of pure live seed per acre:

Present Pure Live Seed (PLS) = Purity X Germination/100

Two lots of seed can be compared on the basis of PLS as follows:

Source No. One (poor quality)

Purity	50 percent
Germination	40 percent
Percent PLS	20 percent

**5 lb. bulk seed required to
make 1 lb. PLS.**

Source No. two (better quality)

Purity	80 percent
Germination	63 percent
Percent PLS	50 percent

**2 lb. bulk seed required to
make 1 lb. PLS.**

Seed mixture used must be *certified*. There shall be NO primary or secondary noxious weeds in seed mixture. Seed labels from each bag shall be available for inspection while seed is being sown.

Seeding shall be accomplished between July 1 and September 15 (later date may be extended on a case-by-case basis with AO approval). Seeding shall be repeated if a satisfactory stand is not obtained as determined by the AO upon evaluation after the second growing season.

Compacted areas shall be ripped to a depth of 12" and disked to a depth of six inches before seeding. Seed with a disk-type drill with two boxes for various seed sizes. The drill rows shall be eight to ten inches apart. Seed shall be planted at not less than one-half inch deep or more than one inch deep. The seeder shall be followed with a drag, packer, or roller to ensure uniform coverage of the seed, and adequate compaction. Drilling shall be done on the contour where possible, not up and down the slope.

Where slopes are too steep for contour drilling a "cyclone" hand seeder or similar broadcast seeder shall be used. Seed shall then be covered to the depth described above by whatever

means is practical, i.e. hand raked. If the seed is not covered, the prescribed seed mixture amount (pounds/acre/PLS) will be doubled.

If, upon abandonment of wells, the retention of access road is not considered necessary for the management and multiple use of the natural resources, it will be ripped a minimum of 12" in depth. After ripping, water bars will be installed. All ripped surfaces are to be protected from vehicular travel by construction of a dead end ditch and earthen barricade at the entrance to these ripped areas. (Reseeding of affected areas may be required.)

ABANDONMENT: Ninety days prior to termination of the ROW, the holder shall contact the AO to arrange a joint inspection of the ROW. This inspection will be held to agree to an acceptable termination (and rehabilitation) plan. This plan shall include, but is not limited to, removal of facilities, drainage structures, or surfacing material, recontouring, topsoiling or seeding. The AO must approve the plan in writing prior to the holder's commencement of any termination actions.